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## CURRICULUM VITAE

**NAME:** John N. Heine

**ORGANIZATION:** Department of Commerce  
National Oceanic & Atmospheric Administration  
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**PRESENT POSITION:** CalCOFI Coordinator

**EDUCATION:** 1982 **Masters Degree in Biological Sciences.** Moss Landing Marine Laboratories of the California State University. Thesis research on the primary productivity of red algae in the kelp forest community.  
1977 **Bachelor of Science in Biological Sciences.** University of California at Irvine. Major emphasis in ecology and marine sciences.

## EXPERIENCE:

August 2012 to present – Diving Safety Officer for National Science Foundation, Division of Polar Programs.  
August 2010 - **Adjunct Professor**, Florida State College at Jacksonville (not current).  
May 2008 to June 2010 - **Instructional Assistant**, Florida State College at Jacksonville.  
February 2008 to present- **Research Associate**, Jacksonville University.  
January 2007 to present - **CalCOFI Coordinator, and Editor, *CalCOFI Reports***, a joint project of NOAA/NMFS, Scripps Institution of Oceanography, and the California Dept. of Fish and Game.  
January 2005 – March 2007. **Executive Officer**, CSIRO Marine and Atmospheric Research, Perth, WA, Australia.  
January 2003 – Jan 2005. **Marine Ecologist**, DAL Science and Engineering (now Oceanica), Nedlands, WA, Australia.  
January 2003 – Dec. 2004. **Research Assistant**, Department of Fisheries, Western Australia.  
August 1980 – Dec. 2004. **Diving Safety Officer, Lecturer, and Research Associate**, Moss Landing Marine Laboratories of the California State University.  
June 1989 – Present. **Contributing Editor**, SOURCES, the Journal for Underwater Education. National Association of Underwater Instructors.  
August 2000 – Aug. 2001. **Acting Principal Advisor for Research Diving**, National Science Foundation, Office of Polar Programs.  
April 1999 – June 2001. **Project Co-PI**. Research grant from National Undersea Research Program: The distribution and abundance of deep-water macroalgae in central California.  
April 1999 – Feb. 2000. **Project Co-PI**. Research grant from National Undersea Research Program: The secret lives of prickly sharks.  
March 1998 – Feb. 1999. **Project Co-PI**. Research grant from National Undersea Research Program:

Movements of fishes associated with natural refugia in Monterey Bay: implications for marine reserves in fishery management.

Aug. 1982 – 2001. **Project Manager.** Quarterly underwater inspection, video, and report for National Refractories, Inc.

July 1980 - June 1981. **Project Co-Director.** Research grant from the California Department of Fish and Game to the Moss Landing Marine Laboratories.

**RESEARCH INTERESTS:** marine algae, tagging fishes, diving technology

## **HONORS AND AWARDS:**

NAUI Hall of Honor, 2014.

American Academy of Underwater Sciences, *Conrad Limbaugh Memorial Award for Scientific Diving Leadership*, 2007.

American Academy of Underwater Sciences, Service Award, Past President, 2002.

Elected official: Monterey County, CA. Moss Landing Harbor District Commissioner. 1995-96.

NAUI Outstanding Service Award, 1992.

President (1996-97); Symposium Chair (1993); Secretary 1990-91 (elected); Chairman of Nominations Committee (1989 and 1991); Chairman of Standards and Statistics Committee (1986-88) of the American Academy of Underwater Sciences.

NAUI Instructor Training Course Director's Award, 1983, 1985, 1989, and 1993.

Student Body President, Moss Landing Marine Laboratories, 1981.

California State Scholarship and UC Alumni Scholarships, 1975-1977.

Dean's List, UC Irvine, 1975-77.

## **PUBLICATIONS:**

Heine, J.N. (Ed.). 2015. *CalCOFI Reports*, vol. 56. University of California. 186 pp.

Heine, J.N. 2015. Cold Water Diving: A Guide to Ice Diving (second edition). Best Publishing.

Heine, J.N. (Ed.). 2014. *CalCOFI Reports*, vol. 55. University of California. 206 pp.

Goldberg, N.A. and J.N. Heine. 2014. Effects of canopy and leaf litter on the distribution of mat-forming terricolous lichens (*Cladonia* spp.) in Northeastern Florida xeric scrub. Florida Scientist.

Heine, J.N. (Ed.). 2013. *CalCOFI Reports*, vol. 54. University of California. 216 pp.

Goldberg, N.A., and J.N. Heine. 2012. Macroalgae at Gray's Reef National Marine Sanctuary, Georgia. *Southeastern Naturalist*. 11(3): 477-486.

Heine, J.N. (Ed.). 2012. *CalCOFI Reports*, vol. 53. University of California. 172 pp.

Heine, J.N. 2011. Scientific Diving Techniques: A Practical Guide for the Research Diver (second edition). Best Publishing Co., Palm Beach Gardens, FL. 232 pp.

Heine, J.N. (Ed.). 2011. *CalCOFI Reports*, vol. 52. University of California. 212 pp.

Heine, J.N. (Ed.). 2010. *CalCOFI Reports*, vol. 51. University of California. 220 pp.

Heine, J.N. (Ed.). 2009. *CalCOFI Reports*, vol. 50. University of California. 188 pp.

Goldberg, N. A., and Heine, J. N. (2009). A comparison of arborescent vegetation pre- (1983) and post- (2008) outbreak of the invasive species the Asian ambrosia beetle *Xyleborus glabratus* in a Florida maritime hammock. *Plant Ecology & Diversity* 2: 77-83.

- Goldberg, N. A., and Heine, J. N. 2008. Age estimates of *Sporolithon durum* (Corallinales, Rhodophyta) from Rottnest Island, Western Australia, based on radiocarbon-aging methods. *Journal of the Royal Society of Western Australia* 91: 27-30.
- Heine, J.N. (Ed.). 2008. *CalCOFI Reports*, vol. 49. University of California. 267 pp.
- Goldberg, N. A., Heine, J. N., and Brown, J. A. (2007). The application of adaptive cluster sampling for rare subtidal macroalgae. *Marine Biology*.151: 1343-1348.
- Heine, J.N. (Ed.). 2007. *CalCOFI Reports*, vol. 48. University of California. 213 pp.
- Keesing, J.K. and J.N. Heine (Eds.). 2006. Strategic Research Fund for the Marine Environment. Final Report, Vol. 1, Dec. 2006. CSIRO Publishing, 257 pp.
- Keesing, J.K., J.N. Heine, R.C. Babcock, P. Craig and T. Kolsow (Eds.). 2006. Strategic Research Fund for the Marine Environment. Final Report, Vol. 2, Dec. 2006. CSIRO Publishing, 290 pp.
- Haddock, S.H.D. and J.N. Heine. 2005. Scientific Blue-Water Diving. California Sea Grant publ. No. T-057, 49 pp.
- Keesing, J.K. and J.N. Heine (Eds.). 2005. Strategic Research Fund for the Marine Environment. Interim Final Report, June 2005. CSIRO Publishing, 385 pp.
- Goldberg, N.A., Kendrick, G.A., and Heine, J.N. 2004. Highway or country road: Algal recruitment with distance from an island reef. *Journal of the Marine Biological Association of the United Kingdom* 84: 879-882.
- Spalding, H., M.S. Foster, and J.N. Heine. 2003. Composition, distribution, and abundance of deep-water (>30m) macroalgae in central California: *J. Phycol.* 39: 273-284.
- Starr, R.M., J.N. Heine, J.M. Felton, G.M. Cailliet. 2002. Movements of bocaccio (*Sebastes paucipinus*) and greenspotted (*Sebastes chlorostictus*) rockfishes in Monterey Submarine Canyon: Implications for the design of marine reserves. *Fish. Bull.* 100: 324-337.
- Heine, J.N. 2001. Scientific diving techniques. *Mar. Tech. Soc.* 34(4): 23-37.
- Heine, J.N. 2001. NOAA Diving Manual: Diving for Science and Technology (4<sup>th</sup> ed.). U.S. Dept. of Commerce, Best Publishing Co. (contributor and reviewer).
- Starr, R.M., J.N. Heine, and K. Johnson. 2000. Techniques for tagging and tracking deepwater rockfishes, *Sebastes spp.* *No. Amer. Jour. Fish. Mgt.* 20:597-609.
- Heine, J.N. Editor, 2000. NAUI Master Scuba Diver. Nat. Assoc. Underwater Instr. 291 pp.
- Heine, J.N., D. Canestro, and G. Wuttken (Eds.). 1999. Diving for Science...1999. Proc. Amer. Acad. Underwater Sci. 150 pp.
- Starr, R.M., J.N. Heine, and G.M. Cailliet. 1999. The influence of submarine canyon morphology on the distribution and movements of marine fishes. *Am. Assoc. Petrol. Geol. Bull.*, 83: 702-703.
- Heine, J.N. 1999. Scientific Diving Techniques: A Practical Guide for the Research Diver. Best Publishing, 225 pp.
- Heine, J.N. 1996. Cold Water Diving: A Guide to Ice Diving. Best Publishing, 127 pp.
- Slattery, M., J.B. McClintock, and J.N. Heine. 1995. Chemical defenses in Antarctic soft corals: evidence for antifouling compounds. *J. Exp. Mar. Biol. Ecol.* 190: 61-77.
- Crane, N.L. and J.N. Heine. 1993. Observations of the prickly shark, *Echinorhinus cookei* in Monterey Bay, California. *Calif. Fish and Game* 78(4): 166-168.
- McClintock, J.B., M. Slattery, J.N. Heine, and J. Weston. 1992. Chemical defense, biochemical composition and energy content of three shallow-water Antarctic gastropods. *Polar Biol.* 11: 623-629.
- Wynne, M. and J.N. Heine. 1992. Collections of marine red algae from St. Matthew and St. Lawrence Islands, Alaska. *Nova Hedwigia* 54(3-4).
- McClintock, J.B., J.N. Heine, M. Slattery, and J. Weston. 1991. Biochemical and energetic composition, population biology, and chemical defense of the Antarctic ascidian *Cnemidocarpa verrucosa* Lesson. *J. Exp. Mar. Biol. Ecol.* 147:163-175.

- Heine, J.N., J.B. McClintock, M. Slattery, and J. Weston. 1991. Biochemical composition, energy content, and chemical defense in the common Antarctic nemertean *Parbolasia corrugatus*. *J. Exp. Mar. Biol. Ecol.* 153:15-25.
- Heine, J.N., G.H. Leonard, and M.S. Foster. 1990. A comparison of marine primary productivity among the OCS planning areas: Primary productivity of benthic marine algae. Prepared for Continental Shelf Associates, for MMS, Dept. of the Interior, 28 pp.
- Heine, J.N. 1989. Effects of ice scour on the structure of sublittoral marine algal assemblages of St. Lawrence and St. Matthew Islands, Alaska. *Mar. Ecol. Progr. Ser.* 52: 253-260.
- Heine, J.N. 1983. Seasonal productivity of two red algae in a central California kelp forest. *J. Phycol.* 19:146-152.
- Foster, M.S. and J.N. Heine. 1981. The effects of sea otter foraging on kelp forest communities in central California. Calif. Dept. of Fish and Game Report, 38 pp. plus two appendices.